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TITLE : CREAM SOLDER

ABSTRACT : PURPOSE: To enable stable printing of fine patterns over a long period of time by incorporating a specific amt. of liquid paraffin into the cream solder.

CONSTITUTION: The liquid paraffin is incorporated at 0.1 to 5.0wt.% into the cream solder formed by kneading a flux and solder powder. As a result, flow property of the cream solder is improved and the easy packing of the cream solder into a screen or metal mask is possible. The solvent has a role of a lubricant to the inside walls of the screen or metal mask and, therefore, the cream solder does not stick thereto and is surely transferred when the screen or metal mask parts from the cream solder. The stable and good printing is enabled over a long period of time. The flow property of the cream solder is poor and the lubricating effect is hardly obtd. if the content of the liquid paraffin is lower than 0.1wt.%. The viscosity of the cream solder is so small that printing is difficult if the content is higher than 5.0wt.%.

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